

WHAT IS CLAIMED IS:

Sub A 1. A cartridge for a mixer, the mixer having a plurality of inlets, the cartridge comprising:

5 a plurality of chambers each having an outlet for engagement with the inlets of the mixer;

a bayonet coupling on said cartridge for detachably connecting said cartridge to the mixer;

10 a closure member for closing said cartridge when detached from the mixer, said closure member having a plug for each said outlet and having coding means for coded introduction into and attachment to said bayonet coupling of said cartridge.

2. A cartridge according to claim 1, wherein said coding means comprises at least two bayonet lugs of different widths.

15 3. A cartridge according to claim 1, wherein said outlets of said mixer are dissimilarly sized.

20 4. A cartridge according to claim 1, wherein said outlets of said mixer are dissimilarly shaped.

5. A cartridge according to claim 1, wherein said coding means of the closure member comprises visual alignment means.

Sub B 25 6. A cartridge according to claim 1, further comprising a locking ring for attachment of said closure member to said cartridge.

7. A cartridge for a mixer, the mixer having a plurality of inlets, the cartridge comprising:

30 a plurality of chambers each having an outlet for engagement with the inlets of the mixer and having a first closure element; and

a closure member for closing said cartridge when detached from the mixer, said closure member having a plug for each said outlet and a second closure element for mating engagement with said first closure element of said cartridge;

said closure member being attached to said cartridge by a coupling ring.

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Sub Q2
8. A dispensing device, comprising:

a cartridge including a plurality of chambers each having an outlet and a first bayonet coupling;

10 a mixer including a housing with a plurality of inlets corresponding in number to the outlets, each inlet being configured to engage a respective one of said outlets, a mixer element disposed in said housing, and a second bayonet coupling complementary with said first bayonet coupling of said cartridge, said first bayonet coupling being detachable from said second bayonet coupling and together forming a detachable bayonet assembly; and

15 a closure member for closing said cartridge when detached from the mixer, said closure member having a plug for closing each said outlet and having coding means for coded introduction into and attachment to said first bayonet coupling of said cartridge.

20 9. A dispensing device according to claim 8, wherein said outlets are of different size relative to each other and said respective inlets are configured to conform thereto, whereby said outlets and said inlets form complementary coding elements on said cartridge and mixer, said coding elements permitting said inlets of said mixer to be aligned and connected to the respective outlets of said cartridge in only one orientation.

25 10. A dispensing device according to claim 8, wherein said outlets are of different shape relative to each other and said respective inlets are configured to conform

thereto, whereby said outlets and said inlets form complementary coding elements on said cartridge and mixer, said coding elements permitting said inlets of said mixer to be aligned and connected to the respective outlets of said cartridge in only one orientation.

5 11. A dispensing device according to claim 8, wherein said closure member includes at least two bayonet lugs of different widths for attachment to said first bayonet coupling of said cartridge.

10 12. A dispensing device according to claim 8, wherein said coding means comprises visual alignment means.

15 13. A dispensing device according to claim 8, further comprising a locking ring for attachment of said closure member to said cartridge.

20 14. A cartridge for a mixer, the mixer having a plurality of inlets, the cartridge comprising:

 a plurality of chambers each having an outlet for engagement with the inlets of the mixer, each said outlet of said chambers being of a different configuration from each other to permit each said outlet to be aligned and connected to the respective inlets of the mixer in only one orientation; and

 a bayonet coupling on said cartridge for detachably connecting said cartridge to the mixer; and

 a closure member for closing said cartridge when detached from the mixer, said closure member having a plug for closing each said outlet.

25 15. A cartridge according to claim 14, wherein said closure member further includes at least two bayonet lugs of different widths for attachment to said bayonet coupling of said cartridge.

30 16. A cartridge according to claim 14, further comprising a locking ring for attachment of said closure member to said cartridge.

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17. A cartridge according to claim 14, wherein each said outlet of said chambers is of a different size from each other said outlet.

5 18. A cartridge according to claim 14, wherein each said outlet of said chambers is of a different shape from each other said outlet.

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